Tutyleane Sach

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
1		"digital ticket".clm. and "digital signature".clm. and "private key". clm. and consumer.clm. and provider.clm. and storage.clm. and hash\$3.clm. and channel.clm.	USPAT	OR	OFF	2006/02/08 16:08
L2	0	"digital ticket".clm. and "digital signature".clm. and "private key".clm. and consumer.clm. and provider.clm. and storage.clm. and hash\$3.clm. and channel.clm.	US-PGPUB; USPAT	OR	OFF	2006/02/08 16:08

yeated Scale

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
u	0	"digital ticket":clm. and "digital signature".clm. and "private key". clm. and consumer.clm. and provider.clm. and storage.clm. and hash\$3.clm. and channel.clm.	USPAT	OR	OFF	2006/02/08 16:08
L2	0	"digital ticket".clm. and "digital signature".clm. and "private key".clm. and consumer.clm. and provider.clm. and storage.clm. and hash\$3.clm. and channel.clm.	US-PGPUB; USPAT	OR	OFF	2006/02/08 16:09
L3	0	"digital ticket" and "digital signature" and "private key" and consumer and provider and storage and hash\$3 and channel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/08 16:11
L4	499	ticket and "digital signature" and "private key" and consumer and provider and storage and hash\$3 and channel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/08 16:11
L5	2243	713/176	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/08 16:11
L6	2755	713/161 or 713/168 or 713/181 or 705/67 or 705/76	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/08 16:12
L7	0	6 and 5 and 4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/08 16:12
L8	47	(6 or 5) and 4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/08 16:13



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1 Link and channel measurement: A simple mechanism for capturing and replaying



Best 200 shown

wireless channels Glenn Judd, Peter Steenkiste

August 2005 Proceeding of the 2005 ACM SIGCOMM workshop on Experimental approaches to wireless network design and analysis E-WIND '05

Publisher: ACM Press

Full text available: Republic for pdf(6.06 MB)

Additional Information: full citation, abstract, references, index terms

Physical layer wireless network emulation has the potential to be a powerful experimental tool. An important challenge in physical emulation, and traditional simulation, is to accurately model the wireless channel. In this paper we examine the possibility of using on-card signal strength measurements to capture wireless channel traces. A key advantage of this approach is the simplicity and ubiquity with which these measurements can be obtained since virtually all wireless devices provide the req ...

Keywords: channel capture, emulation, wireless

2 Session 2: secure Web services: Designing a distributed access control processor for





network services on the Web

Reiner Kraft

November 2002 Proceedings of the 2002 ACM workshop on XML security

Publisher: ACM Press

Full text available: pdf(301.14 KB) Additional Information: full citation, abstract, references, index terms

The service oriented architecture (SOA) is gaining more momentum with the advent of network services on the Web. A programmable and machine accessible Web is the vision of many, and might represent a step towards the semantic Web. However, security is a crucial requirement for the serious usage and adoption of the Web services technology. This paper enumerates design goals for an access control model for Web services. It then introduces an abstract general model for Web services components, along ...

Keywords: Web services, XML, access control, security

A long-term perspective on electronic commerce **Eric Hughes**





November 1997 netWorker, Volume 1 Issue 3

Publisher: ACM Press

Full text available: pdf(535.69 KB) Additional Information: full citation, references, index terms

Towards a secure platform for distributed mobile object computing



Marc Lacoste

April 2000 ACM SIGOPS Operating Systems Review, Volume 34 Issue 2

Publisher: ACM Press

Full text available: pdf(1.42 MB)

Additional Information: full citation, abstract, index terms

We present some issues relevant to the design of a secure platform for distributed mobile computing, that goes beyond existing ad-hoc approaches to software mobility. This platform aims to support wide-area computing applications such as active network infrastructures or network supervision tools. Our contribution is two-fold: the first part of the paper is a survey of the security features of a few languages and virtual machines as regards authentication, access control, and communications secu ...

WebALPS: a survey of E-commerce privacy and security applications



S. W. Smith

June 2001 ACM SIGecom Exchanges, Volume 2 Issue 3

Publisher: ACM Press

Full text available: pdf(135.26 KB) Additional Information: full citation, abstract, references, index terms

Web-based commerce is rife with scenarios where a party needs to trust properties of computation and data storage occurring at a remote machine, operated by a different party with different interests. In our WebALPS project, we have used off-the-shelf hardware and open source software to build trusted co-servers co-resident with Web servers, and bring the secure SSL channel all the way into these trusted co-servers. In this paper, we survey how this tool can be used to systematically addr ...

Systems and architectures: A DRM security architecture for home networks Bogdan C. Popescu, Bruno Crispo, Andrew S. Tanenbaum, Frank L.A.J. Kamperman October 2004 Proceedings of the 4th ACM workshop on Digital rights management



This paper describes a security architecture allowing digital rights management in home networks consisting of consumer electronic devices. The idea is to allow devices to establish dynamic groups, so called "Authorized Domains", where legally acquired copyrighted content can seamlessly move from device to device. This greatly improves the end-user experience, preserves "fair use" expectations, and enables the development of new business models by content providers. Key to our design is a hyb ...

Keywords: DRM architectures, compliant CE devices, digital content protection

7 General storage protection techniques: Securing distributed storage: challenges.



techniques, and systems

Vishal Kher, Yongdae Kim

November 2005 Proceedings of the 2005 ACM workshop on Storage security and survivability StorageSS '05

Publisher: ACM Press

Full text available: pdf(294.61 KB) Additional Information: full citation, abstract, references, index terms

The rapid increase of sensitive data and the growing number of government regulations that require longterm data retention and protection have forced enterprises to pay serious attention to storage security. In this paper, we discuss important security issues related to storage and present a comprehensive survey of the security services provided by the existing storage systems. We cover a broad range of the storage security literature, present a critical review of the existing solutions, compare ...

Keywords: authorization, confidentiality, integrity, intrusion detection, privacy

8 DRM experience: Digital rights management in a 3G mobile phone and beyond

Thomas S. Messerges, Ezzat A. Dabbish

October 2003 Proceedings of the 3rd ACM workshop on Digital rights management DRM '03

Publisher: ACM Press

Full text available: pdf(306.59 KB)

Additional Information: full citation, abstract, references, citings, index terms

In this paper we examine how copyright protection of digital items can be securely managed in a 3G mobile phone and other devices. First, the basic concepts, strategies, and requirements for digital rights management are reviewed. Next, a framework for protecting digital content in the embedded environment of a mobile phone is proposed and the elements in this system are defined. The means to enforce security in this system are described and a novel "Family Domain" approach to content management ...

Keywords: MPEG-21, copyright protection, cryptography, digital content, digital rights management, embedded system, key management, mobile phone, open mobile alliance, security

9 <u>Digital rights management for content distribution</u>

Qiong Liu, Reihaneh Safavi-Naini, Nicholas Paul Sheppard

January 2003 Proceedings of the Australasian information security workshop conference on ACSW frontiers 2003 - Volume 21 CRPITS '03

Publisher: Australian Computer Society, Inc.

Full text available: pdf(224.63 KB)

Additional Information: full citation, abstract, references, citings, index terms

Transferring the traditional business model for selling digital goods linked to physical media to the online world leads to the need for a system to protect digital intellectual property. Digital Rights Management(DRM) is a system to protect high-value digital assets and control the distribution and usage of those digital assets. This paper presents a review of the current state of DRM, focusing on security technologies, underlying legal implications and main obstacles to DRM deployment with the ...

Keywords: DRM, digital content

10 Computing curricula 2001

September 2001 Journal on Educational Resources in Computing (JERIC)

Publisher: ACM Press

Full text available: pdf(613.63 KB)

a) html(2.78 KB)

Additional Information: full citation, references, citings, index terms

Privacy in browser-based attribute exchange



Birgit Pfitzmann, Michael Waidner

November 2002 Proceedings of the 2002 ACM workshop on Privacy in the Electronic Society

Publisher: ACM Press

Full text available: pdf(168.95 KB) Additional Information: full citation, abstract, references, index terms

Browser-based attribute-exchange protocols enable users of normal web browsers to conveniently send attributes, such as authentication or demographic data, to web sites. Such protocols might become very common and almost mandatory in general consumer scenarios over the next few years. We derive the privacy requirements on such protocols from general privacy principles and study their consequences for the protocol design. We also survey to what extent proposals like Microsoft's Passport, IBM's e- ...

Keywords: BBAE, Liberty, Passport, SAML, Shibboleth, attribute-exchange, e-Community Single Signon, identity management, privacy, roles, security, single signon, traffic data, wallet, web browser

12 Applications: Context sensitive access control

R. J. Hulsebosch, A. H. Salden, M. S. Bargh, P. W. G. Ebben, J. Reitsma

June 2005 Proceedings of the tenth ACM symposium on Access control models and technologies

Publisher: ACM Press

Full text available: Repdf(145.62 KB) Additional Information: full citation, abstract, references, index terms

We investigate the practical feasibility of using context information for controlling access to services. Based solely on situational context, we show that users can be transparently provided anonymous access to services and that service providers can still impose various security levels. Thereto, we propose context-sensitive verification methods that allow checking the user's claimed authenticity in various ways and to various degrees. More precisely, conventional information management approac ...

Keywords: access control, authentication, context sensitive, context verification, service usage patterns

13 Escrow services and incentives in peer-to-peer networks

Bill Horne, Benny Pinkas, Tomas Sander

October 2001 Proceedings of the 3rd ACM conference on Electronic Commerce

Publisher: ACM Press

Additional Information: full citation, abstract, references, citings, index Full text available: pdf(265.69 KB)

Distribution of content, such as music, remains one of the main drivers of P2P development. Subscription-based services are currently receiving a lot of attention from the content industry as a viable business model for P2P content distribution. One of the main problems that such services face is that users may choose to redistribute content outside the community of subscribers, thereby facilitating large-scale piracy. Digital Rights Management (DRM) systems typically employ tamper resistance te ...

14 Mobile services and technology track: A conceptual approach to information security

in financial account aggregation

Manish Agrawal, Hemant Padmanabhan, Lokesh Pandey, H. R. Rao, Shambhu Upadhyaya March 2004 Proceedings of the 6th international conference on Electronic commerce **ICEC '04**

Publisher: ACM Press

Full text available: pdf(173.70 KB) Additional Information: full citation, abstract, references

An important dimension of mobile computing is the ubiquitous and location-independent availability of data. Aggregation is the ability to electronically access and display personal account information from disparate sources through a single identity. The client financial data is assembled in an organized format providing meaningful summarization and analysis. The prevalent methods of aggregation pose issues in information security and assurance. Utilizing advances in Internet technology such as ...

Keywords: account service providers, aggregation, identity service providers, scraping

15 Ad hoc networks: The security of vehicular ad hoc networks

Maxim Raya, Jean-Pierre Hubaux

November 2005 Proceedings of the 3rd ACM workshop on Security of ad hoc and sensor networks SASN '05

Publisher: ACM Press

Full text available: ndf(283.96 KB) Additional Information: full citation, abstract, references, index terms

Vehicular networks are likely to become the most relevant form of mobile ad hoc networks. In this paper, we address the security of these networks. We provide a detailed threat analysis and devise an appropriate security architecture. We also describe some major design decisions still to be made, which in some cases have more than mere technical implications. We provide a set of security protocols, we show that they protect privacy and we analyze their robustness, and we carry out a quantitative ...

Keywords: security, vehicular ad hoc networks

16 Approaches to fault-tolerant and transactional mobile agent execution---an



Stefan Pleisch, André Schiper

September 2004 ACM Computing Surveys (CSUR), Volume 36 Issue 3

Publisher: ACM Press

Full text available: 📆 pdf(946,94 KB) Additional Information: full citation, abstract, references, index terms

Over the past years, mobile agent technology has attracted considerable attention, and a significant body of literature has been published. To further develop mobile agent technology, reliability mechanisms such as fault tolerance and transaction support are required. This article aims at structuring the field of fault-tolerant and transactional mobile agent execution and thus at guiding the reader to understand the basic strengths and weaknesses of existing approaches. It starts with a discu ...

Keywords: ACID, Byzantine failures, agreement problem, asynchronous system, commit, crash failures, fault tolerance, malicious places, mobile agents, replication, security, transaction

17 Securing the commercial Internet

Anish Bhimani

June 1996 Communications of the ACM, Volume 39 Issue 6

Publisher: ACM Press

Full text available: pdf(1.14 MB)

Additional Information: full citation, references, citings, index terms, review

18 Security in mobile communications: challenges and opportunities Audun Jøsang, Gunnar Sanderud

January 2003 Proceedings of the Australasian information security workshop conference on ACSW frontiers 2003 - Volume 21 CRPITS '03

Publisher: Australian Computer Society, Inc.

Additional Information: full citation, abstract, references, citings, index Full text available: pdf(117.04 KB) terms

The nature of mobile communication, characterised for example by terminals having poor user interface and limited processing capacity, as well as complex combination of network protocols, makes the design of security solutions particularly challenging. This paper discusses some of the difficulties system architects are faced with as well as some advantages mobile networks offer when designing security solutions for mobile communication.

Keywords: heterogeneous networks, mobile devices, security, usability

19 Bidirectional mobile code trust management using tamper resistant hardware John Zachary, Richard Brooks

April 2003 Mobile Networks and Applications, Volume 8 Issue 2

Publisher: Kluwer Academic Publishers

Full text available: pdf(152.99 KB) Additional Information: full citation, abstract, references, index terms

Trust management in a networked environment consists of authentication and integrity checking. In a mobile computing environment, both remote hosts and mobile code are suspect. We present a model that addresses trust negotiation between the remote host and the mobile code simultaneously. Our model uses tamper resistant hardware, public key cryptography, and one-way hash functions.

Keywords: authentication, hash functions, mobile code, tamper resistant hardware, trust management

Supporting fair exchange in mobile environments

Holger Vogt, Felix C. Gärtner, Henning Pagnia

April 2003 Mobile Networks and Applications, Volume 8 Issue 2

Publisher: Kluwer Academic Publishers

Full text available: pdf(146.79 KB) Additional Information: full citation, abstract, references, index terms

Mobile commerce over the Internet always includes the exchange of electronic goods. Fair exchange protocols establish fairness and ensure that both participants can engage in the exchange without the risk of suffering a disadvantage (e.g., losing their money without receiving anything for it). In general, fair exchange protocols require the continuous availability of an external trusted third party (TTP), a dedicated site which is trusted by both participants. Implementations of TTPs for ...

Keywords: disconnected operations, fair exchange, mobile commerce, tamper-proof hardware, time-sensitive items

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